



METHOD OF VERIFICATION OF FIELD DENSITY FOR ASPHALTIC CONCRETE PAVING

GENERAL

Verification of the field density test result insures that testing equipment is operating properly and the results are within the range of accuracy. Investigations are conducted and corrections made when results cannot be verified.

SAMPLE

A sample consists of all the cored specimens of one day's paving production.

HANDLING, STORING AND SHIPPING SAMPLES

These specimens must be identified and stored in a manner, which will not affect their densities. Upon request from the District Materials Laboratory, cores are to be taken and transported the next working day. A completed Form #510069 shall accompany each set of cores.

TESTING AND SAMPLING FREQUENCY

The District Materials Office, on a random basis for verification will select a minimum of one sample per week, per project. For projects that will be completed in less than a week, a minimum of one sample per project will be obtained.

VERIFYING THE RESULT

The District Laboratory shall test each specimen of the submitted sample in accordance with IM 321. The test results of each specimen will be compared to each corresponding field test result for correlation. Bulk Specific Gravity (G_{mb}) results that do not correlate to within 0.020 will be considered suspect. Other information gained through this verification testing, such as trends developing, will also give cause to suspect the results. Immediate investigation must be conducted and correction made on all suspect test results.

NOTE: Each District Laboratory procedure and equipment is verified through the established correlation program with the Central Laboratory.

REPORTING

The District Materials Office shall submit reports of the verification of field density tests to the Central Materials Office along with the documentation of what action was taken for suspect results.